

BASF Corporation
Chemicals Division

US EPA RECORDS CENTER REGION 5



404015

BASF

C. William Axce
General Manager

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August 10, 1987

Ms. Bonnie Eleder -5 HE-12
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230 S. Dearborn Street
Chicago, IL 60604

Director
Michigan Dept. of Natural Resources
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Lansing, MI 48909

To Whom It May Concern:

Subject: Consent Decree Action 80-73699

I have attached copy of the Second 1987 Quarterly inspection
of the Riverview site.

If there are any questions, please advise.

Yours very truly,

C. W. Axce

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attachment

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PREVENTIVE MAINTENANCE

BASF Corporation

TITLE: Riverview Property

SSO NO.: 110005 CC No.: 3058

INSPECTION FREQUENCY: 3 Months

INSPECTION DUE DATE: 03/31/87

Date Issued: 8/85

Date Revised: 11/85 - LTB

Folder No.: 1490

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EQ. CODE: 00-00

PROCEDURE

REPORT HERE - FINDINGS &
ITEMS REPAIRED OR REQUIRED

THIS PM REQUIRES THE INSPECTOR TO LOOK AT MANY THINGS AND WALK OR DRIVE OVER A LARGE AREA. THE INSPECTOR SHOULD READ THIS PM COMPLETELY PRIOR TO MAKING THE INSPECTION SO THAT NO WASTED EFFORT HAS TO OCCUR "GOING BACK".

I. Inspect entire fence.

- A. Fence must be completely intact, including 3 strands of barbed wire on top. All gates must be locked.

I.A. Make a list of any broken barbed wire, broken or deformed fence, bent or damaged fence posts or rails, gate hinges, locks, etc.

Main gate locking device is hard to operate. Gates and two fence parts each side need minor repair. Termination post on marina side is missing clamps at center brace rail. All to be repaired by 7/3/87.

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- B. Inspect signs on fence. Signs must face outward from property. The signs must be spaced at 100' intervals on

all four sides of the property. The signs must be in good condition with 1-1/2" high letters.

WARNING
KEEP OUT

MANAGED INDUSTRIAL WASTE DISPOSAL AREA

- II. Inspect vegetation from Jefferson to the water and from the common property line with Firestone to the municipal ramp.

- A. Look for any "bare" areas (spots or areas which do not have plant life growing).

- B. Measure the height of the vegetation. As the vegetation is measured, look for areas where growth is stunted.

- I.B. 1. Are signs spaced every 100 ft.? Yes X No

2. Make a list of missing, rusted, bent, illegible, etc., signs.

All O.K.

- II.A. List "bare" areas. Describe size and location of bare spot.

At main gate - 50' x 20' and 20' x 100' wheel tracked area toward south ditch. South side of south ditch at joints 24 thru 26 several 20-25 sq. ft. area and - 400 sq. ft. area are bare. Repairs will be made by 7/15/87.

- II.B. List the "average" height of the vegetation.

The 8 ft. cut area inside and along fence line is approximately 6" high, balance of uncut averages 10". The weeds are approximately 24" tall. Weed growth outside fences at river, Biddle, Firestone and marina parking lots are approximately 3 ft. high.

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III. Inspect the shoreline for stability.

III. List any shoreline erosion, washing, other deterioration or accumulation of debris.

No shoreline erosion; small amount of debris. To be cleared up by 6/30/87.

IV. Review the integrity of the compacted clay cover.

A. Inspect the entire area for the physical condition of the surface.

IV.A. List any erosion, standing pools of water, weathering, change in drainage patterns, etc.

No erosion or drainage pattern changes.

B. Look for any deep-rooted vegetation (trees or other plant life which might or does have tap roots). Any vegetation which is taller than surrounding vegetation should be considered deep-rooted.

IV.B. List deep-rooted vegetation.

Several areas in the northwest quarter of site have deep-rooted weed growth patches ranging in sizes of 4 to 10 sq ft. Spraying will be done to control weed growth and spreading.

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V. Inspect the berm which is constructed along the common property line with Firestone. This berm is constructed to eliminate water flowing from the Firestone property onto the site.

V. Is the berm at least 6 inches above the level of the Firestone property at the property line?

Yes X No

Is there any evidence of water flowing from the Firestone property onto the site?

Yes No X

VI. Inspect the two concrete drainage ditches on the site, one through the center and one at the northeast corner.

VI.A. List any cracks in the concrete, leaking through the cracks, accumulated debris, standing water, etc.

A. Look at overall condition of the ditches.

Approx. 1/2 of south ditch had standing water covering the bottom of the ditch. Cracks and leaks are addressed below for joints.

B. There are thirty (30) joints in the center ditch. Note condition of each joint. Is joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?

VI.B. List condition of each joint.

Joint 1: Dry - OK

Joint 2: Dry - OK

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VI. B. (Cont'd.) There are thirty (30) joints in the center ditch. Note condition of each joint. Is the joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?

Joint 4: Joint OK - mud at bottom caused by leaking joint. Joint will be repaired by 8/15/87.

Joint 6: Wet joint leaking off-colored water. Joint leak will be repaired by 8/15/87.

Joint 8: Approx. 1/4 of joint is covered with off-colored water; balance of sponge in joint has taken on a dark color.

Joint 10: Approx. 1/3 of joint is covered with off-colored water; balance of sponge in joint has taken on a dark color.

VI.B. List condition of each joint.

Joint 3: Joint dry - sponge material used to repair joint has taken on a dark color.

Joint 5: Dry - OK.

Joint 7: Wet joint leaking off colored water. Crack between Joints 7 and 8 is wet. Joint and crack will be repaired by 8/15/87.

Joint 9: Approx. 1/4 of joint is covered with off-colored water; balance of sponge in joint has taken on a dark color.

Joint 11: Approx. 1/3 of joint is covered with off-colored water; balance of joint has taken on a dark color.

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VI. B (Cont'd.) There are thirty (30) joints in the center ditch. Note condition of each joint. Is joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?

Joint 13: Approx. 1/4 of joint covered with off-colored water. Off-colored water seeping in through sponge repaired joint. Joint to be repaired by 8/15/87.

Joint 15: Approx. 1/2 of joint covered with off-colored water. Repaired joint wet. Joint to be repaired by 8/15/87.

Joint 17: Approx. 1/2 of joint covered with off-colored water. Repaired joint wet. Joint to be repaired by 8/15/87.

Joint 19: Approx. 3/4 of joint covered with off-colored water. Pooled off colored water between joints 19 and 20.

VI.B. List condition of each joint.

Joint 12: Approx. 1/4 of joint covered with water. Off-color water seeping in through sponge repaired joint. Joint to be repaired by 8/15/87.

Joint 14: Approx. 1/2 of joint covered with off-colored water. Repaired joint leaking through sponge. Crack between Joints 14 and 15 leaking off-colored water. Joint to be repaired by 8/1/87.

Joint 16: Approx. 1/4 of joint covered with off-colored water. Balance of joint wet from leaking off colored water. Joint to be repaired by 8/15/87.

Joint 18: Approx. 1/2 of joint covered with off-colored water. Repaired joint wet. Joint to be repaired by 8/15/87.

Joint 20: Approx. 1/2 of joint covered with off-colored water. Pooled off-colored water between joints 20 and 21.

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VI. B. (Cont'd.) There are thirty (30) joints in the center ditch. Note condition of each joint. Is joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?

Joint 22: Approx. 1/2 of joint covered with off-colored water. Pooled off-colored water between joints 22 and 23.

Joint 24: Approx. 1/2 of joint covered with off-colored water. Pooled off-colored water between joints 24 and 25.

Joint 26: Dry - Some pooled off-colored water between joints 26 and 27.

Joint 28: Dry - joint OK.

VI. B. List condition of each joint.

Joint 21: Approx. 1/2 of joint covered with off-colored water. Pooled off-colored water between joints 21 and 22.

Joint 23: Approx. 1/2 of joint covered with off-colored water. Pooled off-colored water between joints 23 and 24.

Joint 25: Approx. 1/3 of joint covered with off-colored water. Pooled off-colored water between joints 25 and 26.

Joint 27: Wet joint - sponge repair is leaking off-colored water. Joint to be repaired by 8/15/87.

Joint 29: Dry - joint OK.

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VI. B. (Cont'd.) There are thirty (30) joints in the center ditch. Note condition of each joint. Is joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?

There are four (4) joints in the north ditch. Note condition of each joint. Is joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?

Joint B: Dry - good condition.

VI.B. List condition of each joint.

Joint 30: 1/2 of joint is covered with river water; balance of joint is dry.

Joint A: Dry - good condition.

Joint C: Dry - good condition, small amount of debris from river.

Joint D: Dry - good condition.

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VII. Inspect each of the nine (9) monitoring wells for integrity.

VII. List any problems with the wells.

Well A - OK, locked
B - OK, locked
C - OK, locked
D - OK, locked
E - OK, locked
F - OK, locked
G - OK, locked
H - OK, locked
I - OK, locked
J - OK, locked

Inspected by: D. J. Savage and A. W. LaPointe

Date Inspected: 06/29/87

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BASF Corporation Chemicals Division
1609 Biddle Avenue, Wyandotte, Michigan 48192

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*Fold at line over top of envelope to the right
of the return address.*

REGISTERED

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